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=> s (organohydrogensiloxane? or methylhydrogensiloxane?)

157 ORGANOHYDROGENSILOXANE?

494 METHYLHYDROGENSILOXANE?

L1 633 (ORGANOHYDROGENSILOXANE? OR METHYLHYDROGENSILOXANE?)

=> s l1 and acid? (2a) catalyst

5080071 ACID?

761905 CATALYST

759554 CATALYSTS

973311 CATALYST

(CATALYST OR CATALYSTS)

83617 ACID? (2A) CATALYST

53 L1 AND ACID? (2A) CATALYST

=> s l2 and (dodecylbenzenesulfphonic acid or dodecylbenzenesulfonic acid)

0 DODECYLBENZENESULFPHONIC

4366077 ACID

L₂

1572766 ACIDS

4863877 ACID

(ACID OR ACIDS)

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3547 DODECYLBENZENESULFONIC

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(ACID OR ACIDS)

3529 DODECYLBENZENESULFONIC ACID

(DODECYLBENZENESULFONIC (W) ACID)

L3 1 L2 AND (DODECYLBENZENESULFPHONIC ACID OR DODECYLBENZENESULFONIC ACID)

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:58217 CAPLUS

DOCUMENT NUMBER: 142:135191

TITLE: Process for preparing cyclic

organohydrogensiloxanes

INVENTOR(S): Richard, Taylor; Robert, Phillips PATENT ASSIGNEE(S): Dow Corning Corporation, USA

SOURCE: PCT Int. Appl., 10 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PA.	LENT .	NO.			KIND DATE			APPLICATION NO.						DATE				
		WO 2005005441					-	20050120		WO 2004-EP7805						20040702			
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AB A process for preparing cyclic organohydrogensiloxanes comprises:

(A) contacting a silane of the formula RHSiCl2, where R is selected from alkyl radicals having 1 to 12 carbon atoms and aryl radicals, with water to form a hydrolyzate comprising cyclic organohydrogensiloxanes and linear organohydrogensiloxanes, and (B) contacting the hydrolyzate with an acidic rearrangement catalyst in the presence of an inert liquid diluent to increase the ratio of the cyclic organohydrogensiloxanes to linear organohydrogensiloxanes in the hydrolyzate. The acidic rearrangement catalyst is an organic compound containing a strong acid group, for example a sulfonic acid.

which is dissolved in the inert diluent present. Thus, cyclic methylhydrogensiloxane was prepared by hydrolyzing methyldichlorosilane with water using dodecylbenzenesulfonic acid as an acidic rearrangement catalyst.

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